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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO		
10/002,722	11/16/2001	Dayong Chen	4015-1702	2826		
24112	7590 02/08/2005		EXAM	EXAMINER		
	ENNETT, PLLC	LIU, SHU	LIU, SHUWANG			
P O BOX 5 RALEIGH, N	IC 27602		ART UNIT	PAPER NUMBER		
,			2634			
			DATE MAILED: 02/08/2005	5		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Annlination No		Applicant(a)					
Office Action Summary		Application No	) <b>-</b>	Applicant(s)					
		10/002,722		CHEN ET AL.					
		Examiner		Art Unit					
The MAIL ING DATE of this con		Shuwang Liu	an abaat with the a	2634	ldroop				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1) Responsive to communication(	s) filed on 16 Nove	ember 2001.							
2a) This action is <b>FINAL</b> .									
, ,	<del>, _</del>								
Disposition of Claims									
4) ⊠ Claim(s) 1-22 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5) ⊠ Claim(s) 12,14-19,21 and 22 is/are allowed.  6) ⊠ Claim(s) 1 is/are rejected.  7) ⊠ Claim(s) 2-11,13 and 20 is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.									
Application Papers									
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 35 U.S.C. § 119									
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>									
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Rev  3) Information Disclosure Statement(s) (PTO-14 Paper No(s)/Mail Date 12/05/01.		·	Interview Summary ( Paper No(s)/Mail Dat Notice of Informal Pa Other:	e	D-152)				

#### **DETAILED ACTION**

## Claim Objections

- 1. Claims 7, 8, 13, and 20 are objected to because of the following informalities:
- (1) In claims 7, 13 and 20, line 2, change "DTX-high" to -discontinuous transmission-high (DTX-high)- -, respectively; and
- (2) In claim 8, line 1, change "CDVCC" to -coded digital verification color code (CDVCC)- -.

Appropriate correction is required.

# Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Sato (US 5,710,772).

As shown in figures 1-5, Sato discloses a method of classifying a received data frame as belonging to one of a plurality of possible classes (case 1, case 2, and case 3 in figure 5), each of said classes having corresponding formats wherein a known bit

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pattern (for example, SYNC (2)) is located in different respective positions within said data frame, said method comprising:

receiving said frame (figure 1);

computing a first value (line quality for case 1) representing a confidence-weighted correlation between said known bit pattern and data from a first position of said frame (column 6, line 23-column 7, line 12, wherein the relation between the SYNC(1) and SYNC (2) determines the classes (present or absent of speech). The relation reads on a confidence-weighted correlation between SYNC (1) and SYNC (2)), and

classifying said frame as belonging to a first class or a second class based on said first value.

## Allowable Subject Matter

- 4. Claims 12, 14-19, 21 and 22 are allowed.
- 5. Claims 2-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 6. Claims 13 and 20 would be allowable if rewritten to overcome the objections, set forth in this Office action.

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7. The following is a statement of reasons for the indication of allowable subject matter: the prior art fails to teach and suggest a method of classifying a received data frame as belonging to one of a plurality of possible classes, comprising determining D1, D2 and calculating the ration R steps as recited in claims 12 and 16 and computing a second value as recited in claim 2 and using DTX or CDVCC, and Euclidian as recited in claims 7, 8 and 9, respectively.

### Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shuwang Liu whose telephone number is 571 272-3036. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 571 272-3056. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shuwang Liu Primary Examiner

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February 4, 2005